

Claims

What is claimed is:

1. A system for servicing a client request comprising:
an executable component operable for receiving the request and executing code corresponding to the request, the executable component retrieving at least one text constant and inserting at least one variable argument result corresponding to the request into the at least one text constant and passing the at least one text constant and variable argument result to the client.
2. The system of claim 2, wherein the at least one text constant and the variable argument result reside in a memory location accessible by the executable component.
3. The system of claim 3, wherein the at least one text constant and the variable argument result are loaded into memory prior to runtime.
4. The system of claim 1, further comprising at least one string template page having at least one text constant.
5. The system of claim 4, the at least one string template page having at least one argument associated therewith.
6. The system of claim 4, the at least one text constant having at least one argument associated therewith.
7. The system of claim 6, the at least one text constant employing a new string indicator to identify each of the at least one text constant and a new argument indicator to identify each of the at least one argument.

8. The system of claim 4, the executable component loading the at least one string template page and parsing the at least one string template page to identify the at least one text constant, the executable component storing the at least one text constant into memory and retaining a unique identifier of the at least one text constant for retrieving the at least one text constant from memory at runtime.

9. The system of claim 8, the executable component also retaining a pointer to the memory location of the at least one text constant for retrieving the at least one text constant from memory at runtime.

10. The system of claim 8, the executable component parsing the at least one text constant to identify at least one argument associated with the at least one text constant, the executable component retaining a unique identifier number for the at least one argument for retrieving the at least one variable argument result at runtime.

11. The system of claim 10, the executable component also retaining a pointer to a location of the at least one argument within the at least one text constant for determining the location for inserting the at least one variable argument result into the at least one text constant at runtime.

12. The system of claim 8, further comprising a monitoring system for informing the executable component of any changes occurring in the at least one string template page, the executable component being adapted to reload, parse and store the changed at least one string template page upon being informed of any changes by the monitoring system.

13. The system of claim 12, the monitoring system being a configuration data source.

The system of claim 1, the executable component employing at least one

intelligent ID to retrieve the at least one text constant from memory.

15. The system of claim 1, the at least one text constant being an HTML text constant.

16. A method for providing a system for servicing a client request, comprising the steps of:

- defining code for servicing the client request;
- defining text constants to be used by the code;
- assigning identifiers to the text constants;
- providing at least one string template page with the defined text constants and assigned identifiers; and
- providing executable code with the defined code and assigned identifiers of the text constants, the executable code being operable to load the defined text constants into a memory prior to runtime and reference the defined text constants employing the assigned identifiers to transmit the defined text constants at runtime to the client in response to a client request.

17. The method of claim 16, further comprising a step of defining argument variables to be inserted into the text constants and assigning identifier numbers to the argument variables.

18. The method of claim 17, the executable code being operable to reference the assigned identified numbers at runtime to provide at least one argument variable result and insert the argument variable result into the text constant at runtime.

19. A method for servicing a client request, comprising the steps of:
providing at least one string template page with at least one text constant and assigning an identifier corresponding to a respective text constant for each of the at least one

text constant;

parsing the at least one string template page for the at least text constant and retaining the corresponding assigned identifier;

storing the at least one text constant in a memory and retaining a memory location for the stored text constant;

receiving a request from a client;

retrieving the at least text string constant by utilizing the corresponding assigned identifier and the memory location for the stored text constant;

aggregating the retrieved text constant into a document; and

returning the document to the client.

20. The method of claim 19, further comprising a step of providing the at least one text constant of the at least one string template page with at least one argument and a corresponding argument number.

21. The method of claim 20, further comprising a step of parsing the at least one string template page for the location of the argument within the at least one text constant and the corresponding argument number and storing the location of the argument within the at least one text constant in the memory and retaining the corresponding argument number and memory location.

22. The method of claim 21, further comprising a step of retrieving the location of the argument within the at least one text constant from the memory location and utilizing the argument number and the location of the argument within the at least one text constant to insert an argument variable result into the retrieved text constant.

23. The method of claim 22, further comprising a step of providing each of the at least one text constants of the at least one string template page with a new string indicator to identify each of the at least one text constant and providing each of the arguments with a new

argument indicator to identify each of the arguments within the at least one text constant.

24. The method of claim 19, the step of retaining a memory location for the stored text constant comprising retaining a pointer to the memory location.

25. The method of claim 19, further comprising a step of monitoring any changes occurring in the at least one string template page and repeating the step of parsing and storing upon a detection of any change in the at least one string template page.

26. The method of claim 19, the at least one text constant being an HTML text constant.

27. A computer readable medium having computer-executable components comprising;

a first component operable for receiving a request from a client and executing code corresponding to the request, the first component retrieving at least one text constant residing in a memory corresponding to the request and passing the at least one text constant to the client.

28. The computer readable medium of claim 27, the first component being further operable to retrieve at least one variable argument result from the memory and insert the at least one variable argument result into the at least one text constant.

29. The computer readable medium of claim 27, further comprising at least one string template page, the first component being further operable to parse the at least one string template page for the at least one text constant and store the at least one text constant in the memory.

30. The computer readable medium of claim 27, further comprising a second

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component adapted to monitor any changes in the at least one string template page and inform the first component of any changes in the at least one string template page.

31. The computer readable medium of claim 30, the first component being adapted to parse the changed at least one string template page for a changed at least one text constant upon being inform of any changes by the second component, the first component storing the changed at least one text constant in memory in place of the at least one text constant.

PROCESSED BY THE SYSTEM